

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/589,726
Source: IFWP
Date Processed by STIC: 8/28/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/589,726

TIME: 10:23:46

Input Set : A:\220000129U2.Seq

Output Set: N:\CRF4\08282006\J589726.raw

4 <110> APPLICANT: HAWIGER, Jack J.
 5 JO, Daewoong
 7 <120> TITLE OF INVENTION: Cell-Permeable SOCS Proteins that
 8 Inhibit Cytokine-Induced Signaling
 11 <130> FILE REFERENCE: 22000.0129U2
 C--> 13 <140> **CURRENT APPLICATION NUMBER: US/10/589,726**
 14 <141> CURRENT FILING DATE: 2006-08-17
 16 <150> PRIOR APPLICATION NUMBER: PCT/US2005/0075203
 17 <151> PRIOR FILING DATE: 2005-03-04
 19 <150> PRIOR APPLICATION NUMBER: 60/550,037
 20 <151> PRIOR FILING DATE: 2004-03-04
 22 <160> NUMBER OF SEQ ID NOS: 29
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 19
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Description of Artificial Sequence; note =
 33 synthetic construct
 35 <400> SEQUENCE: 1
 36 Met Gly Ser Ser His His His His His Ser Ser Gly Leu Val Pro
 37 1 5 10 15
 38 Arg Gly Ser
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 12
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Description of Artificial Sequence; note =
 48 synthetic construct
 50 <400> SEQUENCE: 2
 51 Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
 52 1 5 10
 54 <210> SEQ ID NO: 3
 55 <211> LENGTH: 212
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Description of Artificial Sequence; note =
 61 synthetic construct
 63 <400> SEQUENCE: 3
 64 Met Val Ala Arg Asn Gln Val Ala Ala Asp Asn Ala Ile Ser Pro Ala

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65 1          5          10          15
66 Ala Glu Pro Arg Arg Arg Ser Glu Pro Ser Ser Ser Ser Ser Ser Ser
67          20          25          30
68 Ser Pro Ala Ala Pro Val Arg Pro Arg Pro Cys Pro Ala Val Pro Ala
69          35          40          45
70 Pro Ala Pro Gly Asp Thr His Phe Arg Thr Phe Arg Ser His Ser Asp
71          50          55          60
72 Tyr Arg Arg Ile Thr Arg Thr Ser Ala Leu Leu Asp Ala Cys Gly Phe
73 65          70          75          80
74 Tyr Trp Gly Pro Leu Ser Val His Gly Ala His Glu Arg Leu Arg Ala
75          85          90          95
76 Glu Pro Val Gly Thr Phe Leu Val Arg Asp Ser Arg Gln Arg Asn Cys
77          100          105          110
78 Phe Phe Ala Leu Ser Val Lys Met Ala Ser Gly Pro Thr Ser Ile Arg
79          115          120          125
80 Val His Phe Gln Ala Gly Arg Phe His Leu Asp Gly Ser Arg Glu Thr
81          130          135          140
82 Phe Asp Cys Leu Phe Glu Leu Leu Glu His Tyr Val Ala Ala Pro Arg
83 145          150          155          160
84 Arg Met Leu Gly Ala Pro Leu Arg Gln Arg Arg Val Arg Pro Leu Gln
85          165          170          175
86 Glu Leu Cys Arg Gln Arg Ile Val Ala Ala Val Gly Arg Glu Asn Leu
87          180          185          190
88 Ala Arg Ile Pro Leu Asn Pro Val Leu Arg Asp Tyr Leu Ser Ser Phe
89          195          200          205
90 Pro Phe Gln Ile
91          210
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 225
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence; note =
100     synthetic construct
102 <400> SEQUENCE: 4
103 Met Val Thr His Ser Lys Phe Pro Ala Ala Gly Met Ser Arg Pro Leu
104 1          5          10          15
105 Asp Thr Ser Leu Arg Leu Lys Thr Phe Ser Ser Lys Ser Glu Tyr Gln
106          20          25          30
107 Leu Val Val Asn Ala Val Arg Lys Leu Gln Glu Ser Gly Phe Tyr Trp
108          35          40          45
109 Ser Ala Val Thr Gly Gly Glu Ala Asn Leu Leu Leu Ser Ala Glu Pro
110          50          55          60
111 Ala Gly Thr Phe Leu Ile Arg Asp Ser Ser Asp Gln Arg His Phe Phe
112 65          70          75          80
113 Thr Leu Ser Val Lys Thr Gln Ser Gly Thr Lys Asn Leu Arg Ile Gln
114          85          90          95
115 Cys Glu Gly Gly Ser Phe Ser Leu Gln Ser Asp Pro Arg Ser Thr Gln
116          100          105          110

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117 Pro Val Pro Arg Phe Asp Cys Val Leu Lys Leu Val His His Tyr Met
118      115      120      125
119 Pro Pro Pro Gly Thr Pro Ser Phe Ser Leu Pro Pro Thr Glu Pro Ser
120      130      135      140
121 Ser Glu Val Pro Glu Gln Pro Pro Ala Gln Ala Leu Pro Gly Ser Thr
122 145      150      155      160
123 Pro Lys Arg Ala Tyr Tyr Ile Tyr Ser Gly Gly Glu Lys Ile Pro Leu
124      165      170      175
125 Val Leu Ser Arg Pro Leu Ser Ser Asn Val Ala Thr Leu Gln His Leu
126      180      185      190
127 Cys Arg Lys Thr Val Asn Gly His Leu Asp Ser Tyr Glu Lys Val Thr
128      195      200      205
129 Gln Leu Pro Gly Pro Ile Arg Glu Phe Leu Asp Gln Tyr Asp Ala Pro
130      210      215      220
131 Leu
132 225

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134 <210> SEQ ID NO: 5

135 <211> LENGTH: 243

136 <212> TYPE: PRT

137 <213> ORGANISM: Artificial Sequence

139 <220> FEATURE:

140 <223> OTHER INFORMATION: Description of Artificial Sequence; note =

141 synthetic construct

144 <400> SEQUENCE: 5

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145 Met Gly Ser Ser His His His His His His Ser Ser Gly Leu Val Pro
146 1      5      10      15
147 Arg Gly Ser Met Val Ala Arg Asn Gln Val Ala Ala Asp Asn Ala Ile
148      20      25      30
149 Ser Pro Ala Ala Glu Pro Arg Arg Arg Ser Glu Pro Ser Ser Ser Ser
150      35      40      45
151 Ser Ser Ser Ser Pro Ala Ala Pro Val Arg Pro Arg Pro Cys Pro Ala
152      50      55      60
153 Val Pro Ala Pro Ala Pro Gly Asp Thr His Phe Arg Thr Phe Arg Ser
154 65      70      75      80
155 His Ser Asp Tyr Arg Arg Ile Thr Arg Thr Ser Ala Leu Leu Asp Ala
156      85      90      95
157 Cys Gly Phe Tyr Trp Gly Pro Leu Ser Val His Gly Ala His Glu Arg
158      100      105      110
159 Leu Arg Ala Glu Pro Val Gly Thr Phe Leu Val Arg Asp Ser Arg Gln
160      115      120      125
161 Arg Asn Cys Phe Phe Ala Leu Ser Val Lys Met Ala Ser Gly Pro Thr
162      130      135      140
163 Ser Ile Arg Val His Phe Gln Ala Gly Arg Phe His Leu Asp Gly Ser
164 145      150      155      160
165 Arg Glu Thr Phe Asp Cys Leu Phe Glu Leu Leu Glu His Tyr Val Ala
166      165      170      175
167 Ala Pro Arg Arg Met Leu Gly Ala Pro Leu Arg Gln Arg Arg Val Arg
168      180      185      190
169 Pro Leu Gln Glu Leu Cys Arg Gln Arg Ile Val Ala Ala Val Gly Arg

```

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170          195          200          205
171 Glu Asn Leu Ala Arg Ile Pro Leu Asn Pro Val Leu Arg Asp Tyr Leu
172          210          215          220
173 Ser Ser Phe Pro Phe Gln Ile Ala Ala Val Leu Leu Pro Val Leu Leu
174 225          230          235          240
175 Ala Ala Pro
178 <210> SEQ ID NO: 6
179 <211> LENGTH: 243
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence; note =
185     synthetic construct
187 <400> SEQUENCE: 6
188 Met Gly Ser Ser His His His His His His Ser Ser Gly Leu Val Pro
189 1          5          10          15
190 Arg Gly Ser Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro Met
191          20          25          30
192 Val Ala Arg Asn Gln Val Ala Ala Asp Asn Ala Ile Ser Pro Ala Ala
193          35          40          45
194 Glu Pro Arg Arg Arg Ser Glu Pro Ser Ser Ser Ser Ser Ser Ser
195          50          55          60
196 Pro Ala Ala Pro Val Arg Pro Arg Pro Cys Pro Ala Val Pro Ala Pro
197 65          70          75          80
198 Ala Pro Gly Asp Thr His Phe Arg Thr Phe Arg Ser His Ser Asp Tyr
199          85          90          95
200 Arg Arg Ile Thr Arg Thr Ser Ala Leu Leu Asp Ala Cys Gly Phe Tyr
201          100          105          110
202 Trp Gly Pro Leu Ser Val His Gly Ala His Glu Arg Leu Arg Ala Glu
203          115          120          125
204 Pro Val Gly Thr Phe Leu Val Arg Asp Ser Arg Gln Arg Asn Cys Phe
205          130          135          140
206 Phe Ala Leu Ser Val Lys Met Ala Ser Gly Pro Thr Ser Ile Arg Val
207 145          150          155          160
208 His Phe Gln Ala Gly Arg Phe His Leu Asp Gly Ser Arg Glu Thr Phe
209          165          170          175
210 Asp Cys Leu Phe Glu Leu Leu Glu His Tyr Val Ala Ala Pro Arg Arg
211          180          185          190
212 Met Leu Gly Ala Pro Leu Arg Gln Arg Arg Val Arg Pro Leu Gln Glu
213          195          200          205
214 Leu Cys Arg Gln Arg Ile Val Ala Ala Val Gly Arg Glu Asn Leu Ala
215          210          215          220
216 Arg Ile Pro Leu Asn Pro Val Leu Arg Asp Tyr Leu Ser Ser Phe Pro
217 225          230          235          240
218 Phe Gln Ile
221 <210> SEQ ID NO: 7
222 <211> LENGTH: 244
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence

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226 <220> FEATURE:

227 <223> OTHER INFORMATION: Description of Artificial Sequence; note =
228 synthetic construct

230 <400> SEQUENCE: 7

231 Met Gly Ser Ser His His His His His Ser Ser Gly Leu Val Pro

232 1 5 10 15

233 Arg Gly Ser Met Val Thr His Ser Lys Phe Pro Ala Ala Gly Met Ser

234 20 25 30

235 Arg Pro Leu Asp Thr Ser Leu Arg Leu Lys Thr Phe Ser Ser Lys Ser

236 35 40 45

237 Glu Tyr Gln Leu Val Val Asn Ala Val Arg Lys Leu Gln Glu Ser Gly

238 50 55 60

239 Phe Tyr Trp Ser Ala Val Thr Gly Gly Glu Ala Asn Leu Leu Leu Ser

240 65 70 75 80

241 Ala Glu Pro Ala Gly Thr Phe Leu Ile Arg Asp Ser Ser Asp Gln Arg

242 85 90 95

243 His Phe Phe Thr Leu Ser Val Lys Thr Gln Ser Gly Thr Lys Asn Leu

244 100 105 110

245 Arg Ile Gln Cys Glu Gly Gly Ser Phe Ser Leu Gln Ser Asp Pro Arg

246 115 120 125

247 Ser Thr Gln Pro Val Pro Arg Phe Asp Cys Val Leu Lys Leu Val His

248 130 135 140

249 His Tyr Met Pro Pro Pro Gly Thr Pro Ser Phe Ser Leu Pro Pro Thr

250 145 150 155 160

251 Glu Pro Ser Ser Glu Val Pro Glu Gln Pro Pro Ala Gln Ala Leu Pro

252 165 170 175

253 Gly Ser Thr Pro Lys Arg Ala Tyr Tyr Ile Tyr Ser Gly Gly Glu Lys

254 180 185 190

255 Ile Pro Leu Val Leu Ser Arg Pro Leu Ser Ser Asn Val Ala Thr Leu

256 195 200 205

257 Gln His Leu Cys Arg Lys Thr Val Asn Gly His Leu Asp Ser Tyr Glu

258 210 215 220

259 Lys Val Thr Gln Leu Pro Gly Pro Ile Arg Glu Phe Leu Asp Gln Tyr

260 225 230 235 240

261 Asp Ala Pro Leu

264 <210> SEQ ID NO: 8

265 <211> LENGTH: 256

266 <212> TYPE: PRT

267 <213> ORGANISM: Artificial Sequence

269 <220> FEATURE:

270 <223> OTHER INFORMATION: Description of Artificial Sequence; note =
271 synthetic construct

273 <400> SEQUENCE: 8

274 Met Gly Ser Ser His His His His His Ser Ser Gly Leu Val Pro

275 1 5 10 15

276 Arg Gly Ser Met Val Thr His Ser Lys Phe Pro Ala Ala Gly Met Ser

277 20 25 30

278 Arg Pro Leu Asp Thr Ser Leu Arg Leu Lys Thr Phe Ser Ser Lys Ser

279 35 40 45

VERIFICATION SUMMARY

DATE: 08/28/2006

PATENT APPLICATION: US/10/589,726

TIME: 10:23:47

Input Set : A:\220000129U2.Seq

Output Set: N:\CRF4\08282006\J589726.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number